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Dated: February 10, 2004

Signature:

*Corinne L. Roempagel*  
(Corinne L. Roempagel)

Docket No.: 47168-00033USC3.003  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Keith D. Beaty

Application No.: 10/701,855

Confirmation No.:

Filed: November 5, 2003

Art Unit: N/A

For: IMPLANT SURFACE PREPARATION

Examiner: Not Yet Assigned

**SECOND INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of each reference on PTO/SB/08 is attached.

Those patent(s) or publication(s) which are marked with an asterisk (\*) next to the Cite No. in the attached form PTO/SB/08 (facsimile) are not supplied because they were previously cited by or submitted to the Office in a prior application number 09/777,335, filed

February 6, 2001 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.


In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

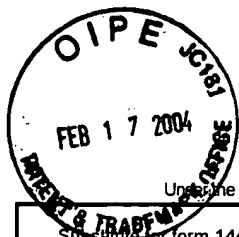
The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 10-0447, under Order No. 47168-00033USC3. A duplicate copy of this paper is enclosed.

Dated: February 10, 2004

Respectfully submitted,

By   
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PTO/SB/08a/b (08-03)  
 Approved for use through 07/31/2006. OMB 0651-0031  
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Substituted for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/701,855
				Filing Date	November 5, 2003
				First Named Inventor	Keith D. Beaty
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	47168-00033USC3

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code <sup>2</sup> (if known)		
	AA	US-4,146,936	04/1979	Aoyagi et al.
	AB	US-4,223,412	09/1980	Aoyagi et al.
	AC	US-4,366,183	12/1982	Ghommidh et al.
	AD	US-4,687,675	08/1987	Nakano et al.
	AE	US-4,693,986	09/1987	Vit et al.
	AF	US-4,746,532	05/1988	Suzuki et al.
	AG	US-4,839,215	06/1989	Starling et al.
	AH	US-4,861,733	08/1989	White
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	AW	US-5,242,706	09/1993	Cotell et al.
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	AB1*	US-5,344,457	09-06-1994	Pilliar
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	AE1	US-5,441,536	08/1995	Aoki et al.
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	AG1	US-5,496,399	03/1996	Ison et al.
	AH1	US-5,543,019	08/1996	Lee et al.
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	AJ1	US-5,639,237	06/1997	Fontenot
	AK1	US-6,652,765-B1	11-25-2003	Beaty

Examiner Signature		Date Considered	
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Sheet	2	of	2	Attorney Docket Number	47168-00033USC3

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA*	JP-03146679		06/1991		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	CA*	Martin et al., "Effect of Titanium Surface Roughness on Proliferation, Differentiation, and Protein Synthesis of Human Osteoblast-Like Cells (MG 63)," Journal of Biomedical Materials Research, Vol. 29, 389-401 (1995).		

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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